

Mapu #1



Gain and Antenna Factors for Double Ridged Guide Antenna
Manufactured by EMC Test Systems
Model Number: 3115 Serial Number: 00069712
1.0 Meter Calibration Polarization: Horizontal

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
750	25.4	1.71	2.3
1000	23.9	4.24	6.3
1500	25.6	6.48	8.1
2000	28.2	6.31	8.0
2500	28.5	9.24	9.7
3000	29.9	9.72	9.9
3500	31.2	9.83	9.9
4000	32.6	9.19	9.6
4500	32.8	11.18	10.5
5000	33.6	11.35	10.6
5500	34.7	10.66	10.3
6000	36.2	9.14	9.6
6500	36.6	9.61	9.8
7000	37.5	9.08	9.6
7500	38.1	9.15	9.6
8000	37.5	11.86	10.7
8500	38.0	11.95	10.8
9000	38.2	12.80	11.1
9500	38.5	13.23	11.2
10000	38.9	13.64	11.3
10500	39.1	14.20	11.5
11000	39.0	15.97	12.0
11500	39.2	16.64	12.2
12000	39.2	18.00	12.6
12500	40.0	16.51	12.2
13000	41.4	12.84	11.1
13500	41.8	12.59	11.0
14000	41.2	15.77	12.0
14500	40.4	20.17	13.0
15000	39.7	25.48	14.1
15500	39.3	29.51	14.7
16000	39.6	29.46	14.7
16500	40.5	25.65	14.1
17000	41.3	22.73	13.6
17500	41.6	22.11	13.4
18000	42.3	19.91	13.0

Specification compliance testing factor (1.0 meter spacing) to be added to receiver meter reading in dBV to convert to field intensity in dBV/meter. Calibrated 09 Mar 07 (DD/MM/YYYY). Calibration per ARP 958.

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Gain and Antenna Factors for Double Ridged Guide Antenna
Manufactured by EMC Test Systems
Model Number: 3115 Serial Number: 00069713
1.0 Meter Calibration Polarization: Horizontal

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
750	25.5	1.64	2.2
1000	24.0	4.21	6.2
1500	25.6	6.43	8.1
2000	28.2	6.42	8.1
2500	28.4	9.45	9.8
3000	29.9	9.75	9.9
3500	31.1	9.89	9.9
4000	32.5	9.37	9.7
4500	32.8	11.19	10.5
5000	33.6	11.52	10.6
5500	34.6	11.13	10.5
6000	35.9	9.63	9.8
6500	36.6	9.76	9.9
7000	37.5	9.07	9.6
7500	38.2	9.03	9.6
8000	37.6	11.56	10.6
8500	38.1	11.67	10.7
9000	38.3	12.66	11.0
9500	38.5	13.29	11.2
10000	38.8	13.93	11.4
10500	39.0	14.67	11.7
11000	38.9	16.47	12.2
11500	39.0	17.29	12.4
12000	39.0	19.01	12.8
12500	39.4	18.67	12.7
13000	40.4	16.10	12.1
13500	40.9	15.62	11.9
14000	40.8	17.26	12.4
14500	40.1	21.64	13.4
15000	39.2	28.32	14.5
15500	38.8	33.51	15.3
16000	39.3	31.69	15.0
16500	40.7	24.19	13.8
17000	42.2	18.12	12.6
17500	42.9	16.59	12.2
18000	43.1	16.78	12.2

Specification compliance testing factor (1.0 meter spacing) to be added to receiver meter reading in dBV to convert to field intensity in dBV/meter. Calibrated 09 Mar 07 (DD/MM/YYYY). Calibration per ARP 958.